

APPENDIX D

CARL MOYER AIR STANDARDS ATTAINMENT PROGRAM

**2008 MULTIDISTRICT OFF-ROAD HEAVY-DUTY COMPRESSION IGNITION
EQUIPMENT**

PROJECT APPLICATION

February 15, 2008

OFF-ROAD HEAVY-DUTY COMPRESSION IGNITION EQUIPMENT APPLICATION

Please print clearly or type all information on this application and on all attachments. Fill out one application for each engine or piece of equipment. All information necessary for completing this application is available in 2008 Carl Moyer Program Guidelines. This document can be viewed at:

<http://www.arb.ca.gov/msprog/moyer/moyer.htm>

Please note that additional information may be requested from the applicant in order to process this application.

This application is for incentive funds to offset the incremental cost of reducing emissions from (1) off-road equipment permanently located at a maritime port or rail yard, or (2) off-road construction and agricultural equipment which operates in more than one air district. All projects must be multidistrict projects, achieve emission reductions beyond all regulatory requirements, meet the minimum Carl Moyer Program eligibility criteria described in the 2008 Carl Moyer Program Guidelines and all current Carl Moyer Program Advisories, and comply with the specific requirements of this solicitation. The 2008 Carl Moyer Program Guidelines and Advisories can be viewed at:

<http://www.arb.ca.gov/msprog/moyer/moyer.htm>.

Applicants are required to submit all items in the checklist on page D-2. Project implementation (Appendix H) plans should, at a minimum, indicate who will do the work, whether or not they have successfully completed similar projects in a timely manner, and when the work will be completed. Project cost information, including cost-effectiveness calculations, vendor quotes and other documentation substantiating cost data requested in this application must also be provided.

The first of two applicant workshop will be held Wednesday, March 5, 2008, from 10:00 a.m. to 4:00 p.m. in the Sierra Hearing Room at the Air Resources Board facility located at 1001 I Street, Sacramento, California. Applicants choosing to participate may do so in person or via webcast. The second applicant workshop will be held in Southern California. Information for this workshop is to be announced on our webpage at:

<http://www.arb.ca.gov/msprog/moyer/moyer.htm>

The intent of the workshop is to provide potential project applicants with an opportunity to ask clarifying questions regarding general project requirements and specific technology questions. Written questions submitted before the workshop will be given priority. Questions may be e-mailed to Ms. Grace Garcia at ggarcia@arb.ca.gov, or faxed to Ms. Garcia at (916) 322-3923. The questions and answers will be posted and updated regularly on the ARB website. Questions asked after the workshop will be answered and posted on the internet on a staff availability basis. Any verbal communication with an ARB employee concerning this solicitation is not binding on the State and shall in no way alter a specification, term or condition of the solicitation.

In accordance with the Guidelines, applicants must disclose if they have applied for or received public financial assistance that reduces the project cost, including tax credits or deductions, grants, or any other public financial assistance given for the vehicles and engines listed in this application. The applicant must reduce the incremental cost of the project by the amount of any current financial incentive received. Any applicant failing

to report additional funding for this project may be banned from future participation in the Carl Moyer Program and be subject to criminal sanctions.

One original plus two copies of the application packet must be signed by the applicant(s) and must be received by ARB **no later than 5:00 April 11, 2008**. Final project selection will be completed by **June 6, 2008**, and successful applicants will be notified immediately. Questions regarding the application process should be directed to Ms. Grace Garcia at (916) 323-2781.

CHECK LIST FOR APPLICATION ITEMS

Be sure the following items are included with the application submittal. Check each applicable box below to indicate inclusion of material.

- ☐ Completed and signed application.
- ☐ Project implementation plan (see Appendix H of this multidistrict solicitation).
- ☐ Project cost documentation including vendor quotes and other substantiating data to support cost estimates provided in this application.
- ☐ Calculations of project cost-effectiveness and emission reductions (see Appendices C and E of the 2008 Carl Moyer Program Guidelines).
- ☐ Documentation from a retrofit/engine vendor stating that the equipment can be installed safely.
- ☐ ARB Executive Order Number for new engine (if Engine Certified to Alt NOx Standard) and retrofit device.
- ☐ Verification of the number of port or rail yard trips (for Goods Movement projects) such as equipment interchange receipts, driver manifests, or driver pay approval reports.

Eligibility Criteria

To be eligible for funding, projects must meet the criteria described in the 2008 Carl Moyer Program Guidelines and all current Carl Moyer Program Advisories. These criteria include but are not limited to the following:

- Emission reductions obtained through Carl Moyer Program projects must not be required by any federal, state or local regulation, memorandum of agreement/understanding with a regulatory agency, settlement agreement, mitigation requirement, or other legal mandate.
- Projects must meet a cost-effectiveness of \$16,000 per weighed ton of NOx, ROG, and PM10 reduced calculated in accordance with the cost-effectiveness methodology in Appendix C of the 2008 Guidelines. All state

funds plus any other funds under a district's budget authority or fiduciary control contributed toward a project must be included in the cost-effectiveness calculation.

- Projects must have a minimum project life of three years, except for engines subject to the Stationary Diesel In-Use Agricultural Engine Airborne Toxic Control Measure, which must have a minimum project life of one year.
- Maximum project life:
 - Repower Only (no retrofit) 7 years
 - Repower + retrofit 5 years
 - Retrofit 5 years
- No emission reductions generated by the Carl Moyer Program shall be used as marketable emission reduction credits, or to offset any emission reduction obligation of any person or entity.
- No project funded by the Carl Moyer Program shall be used for credit under any federal or state emission averaging banking and trading program.
- Funded projects must have at least 75 percent of their total activity for the project life in California.
- Emission reduction technologies must be certified/verified by the ARB for sale in California and must comply with durability and warranty requirements. For the purposes of the Carl Moyer Program, a technology granted a conditional certification/verification by ARB is considered certified/verified.

ARB has adopted two fleet rules affecting off-road CI equipment: the In-Use Off-Road Diesel Vehicle Regulation (Off-Road Regulation) and Cargo Handling Equipment at Ports and Intermodal Rail Yards Regulation (CHE Regulation). There are limited funding opportunities for equipment subject to these rules. The first step in evaluating Moyer eligibility is determining whether equipment is subject to one of the ARB fleet rules:

Table D-1
Summary of Off-Road CI Equipment Funding Opportunities

Equipment Type	Subject to ARB Fleet Rule?	Moyer Funding Opportunities*
Mobile agricultural equipment	No	Engine repowers and retrofits.
Cargo handling equipment at ports/ intermodal rail yards	CHE Regulation	Limited opportunities.
All other equipment (e.g. construction, mining, rental, airport ground support and other industries)	Off-Road Regulation	<p>Small fleets: Tier 1 and cleaner repowers; retrofits through 2/29/12 – limited opportunities for retrofits after this date.</p> <p>Medium fleets: Tier 2 or cleaner repowers and retrofits through 2/28/10. Limited opportunities after this date.</p> <p>Large fleets: Limited opportunities for Tier 2 or cleaner repowers and retrofits.</p>

**Limited opportunities means a fleet's compliance status with the ARB regulation must be determined. Contact district Moyer Program staff or consult fleet rule Moyer implementation charts at <http://www.arb.ca.gov/msprog/moyer/guidelines/supplemental-docs.htm> in addition to these guidelines.*

Project Types: Taking the above table into consideration, the following categories are eligible projects:

- **Engine Repowers.**
- **ARB-Verified Retrofits.**
- **Equipment Replacement.** Purchases of new or used CI equipment replacing an uncontrolled, fully functional CI piece of equipment may be eligible. For these projects, refer to the equipment replacement application.

Additional criteria may be found in the 2008 Carl Moyer Program Guidelines, Chapter 2 and Chapter 5, Section IV.

A. APPLICANT INFORMATION

1. Company name/ Organization name/ Individual name:		
2. Business type:		
3. Contact name and title:		
4. Business mailing address and contact information:		
Street:		
City:	State:	Zip code:
Phone: ()		Fax: ()
E-mail:		
5. Person with contract signing authority (<i>if different from above</i>):		
6. How many vehicles/engines/retrofits are being applied for?		
7. Total funding amount requested in this application:		

B. FUNDING DISCLOSURE

1. Have any engines or vehicles listed in this application applied for or have been awarded Carl Moyer Program funding or other grants? <input type="checkbox"/> Yes <input type="checkbox"/> No
2. If "yes", complete the following for each engine:
a. Agency applied to:
b. Date/Number of Agency Solicitation:
c. Funding Amount Requested:
d. Equipment Identification:
e. Baseline Engine Serial Number:
f. Status of Application:

ARB-verified retrofits are required on all off-road engine repowers as described in the Carl Moyer Program Guidelines. ARB has provided limited flexibility for applicants to opt-out of the default retrofit requirement on these projects. Applicants must complete the following if retrofits are not included as part of this application:

____ By initializing this paragraph, the applicant acknowledges that due to existing or future regulations they may be required to install retrofits on Carl Moyer Program funded equipment at their own cost. Please mark the appropriate box below if you would like to receive information regarding these regulations.

- ☐ Yes
☐ No

For each engine, please complete sections C, D, E, F, or G (as appropriate). Please include project cost documentation including vendor quotes and other substantiating data to support cost estimates provided in this application.

C. PROJECT ACTIVITY INFORMATION

1. Project name:		
2. Project address (<i>if different than business address</i>):		
Street:		
City:	State:	Zip Code:
3. Annual Hours of Operation:		
4. Percent Operation in California:		
5. List counties in California in which the vehicle operates and percent of operation in each:		
6. Project Life:		
<input type="checkbox"/> Maximum <input type="checkbox"/> Other: _____ years		
7. Will the new engine have a functioning hour meter for the life of the project?		
<input type="checkbox"/> Yes <input type="checkbox"/> No		

D. EXISTING (BASELINE) EQUIPMENT INFORMATION

Must be filled out for each piece of equipment requesting funding

1. Equipment Type/Function:		
2. Equipment Make:		
3. Equipment Model:		
4. Equipment Model Year:		
5. Equipment Serial Number:		
6. Equipment Identification Number (<i>unique number designated by applicant</i>)		
7. Number of Main Engines on this Equipment:		
8. Equipment Location:		
Street:		
City:	State:	Zip:
9. Engine Family: (<i>for controlled engines only</i>)		
10. Engine Tier (<i>for controlled engines only</i>)		
11. Engine Make:		
12. Engine Model:		
13. Engine Model Year:		
14. Engine Horsepower:		
15. Engine Serial Number:		
16. Engine Fuel Type:		

E. REPOWER PROJECTS (NEW ENGINE)

1. Number of Main Engines to be Repowered:	
2. New Engine Family:	
3. New Engine Make:	
4. New Engine Model:	
5. New Engine Model Year:	
6. New Engine Serial Number: <i>(if available)</i>	
7. New Engine Horsepower:	
8. New Engine Tier:	
9a. Engine Cost:	9b. Engine Installation Cost <i>(optional)</i> :

F. RETROFIT PROJECTS

1. ARB-verified Retrofit Device Manufacturer:	
2. Retrofit Device Make:	
3. Retrofit Device Model:	
4. Retrofit Device ARB Executive Order Number:	
5. Retrofit Device Serial Number <i>(if available)</i> :	
6. ARB – Verified PM Reduction (%):	
7. ARB – Verified NOx Reduction (%):	
8a. Cost of Retrofit:	b. Cost of Retrofit Installation <i>(optional)</i> :
9. Cost of Retrofit Maintenance for Project Life <i>(optional)</i> :	
10. Has retrofit been verified for the engine? <input type="checkbox"/> Yes <input type="checkbox"/> No	

G. FUNDING AMOUNT REQUEST

1. Total Amount Requested for this Piece of Equipment: <input type="checkbox"/> Maximum allowable <input type="checkbox"/> Other: \$_____	
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APPLICANT CERTIFICATION

Please initial the following **when applicable**:

1. _____ I hereby certify that all the information provided in this application, including any attachments, and the following criteria are true and correct.
2. _____ My equipment operates in more than one air district.
3. _____ If selected I will follow the project implementation plan that I submitted with the application.
4. _____ My company is considered a small business as defined in Government Code Section 14837.
5. _____ My equipment operates in designated environmental justice areas.
6. _____ I have no outstanding air pollution OR other environmental violations/citations.
7. _____ My equipment is currently not being funded by another public funding source/grant.

ARB staff reserves the right to automatically reject/disqualify applications that contain such erroneous information, and applicants may be denied future participation in any other ARB incentive/grant programs.

Signature of Responsible Party:	Date:
Applicant Name (please print):	Date:

Third Party Certification

I have completed the application, in whole or in part, on behalf of the applicant.

Printed Name of Third Party:	Title:
Signature of Third Party:	Date:
Amount Being Paid for Application Completion in Whole or Part:	Source of funding to Third party: